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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/533,798

DATE: 07/17/2001
 TIME: 11:41:46

Input Set : A:\78883120.app
 Output Set: N:\CRF3\07172001\I533798.raw

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3 <110> APPLICANT: CARROLL, MILES WILLIAM
 4 MYERS, KEVIN ALAN
 6 <120> TITLE OF INVENTION: POLYPEPTIDE
 8 <130> FILE REFERENCE: 078883/0120
 10 <140> CURRENT APPLICATION NUMBER: 09/533,798
 11 <141> CURRENT FILING DATE: 2000-03-24
 13 <150> PRIOR APPLICATION NUMBER: 60/126,187
 14 <151> PRIOR FILING DATE: 1999-03-25
 16 <150> PRIOR APPLICATION NUMBER: 60/126,188
 17 <151> PRIOR FILING DATE: 1999-03-25
 19 <150> PRIOR APPLICATION NUMBER: GB 9825303.2
 20 <151> PRIOR FILING DATE: 1998-11-18
 22 <150> PRIOR APPLICATION NUMBER: GB 9901739.4
 23 <151> PRIOR FILING DATE: 1999-01-27
 25 <150> PRIOR APPLICATION NUMBER: GB 9917995.4
 26 <151> PRIOR FILING DATE: 1999-07-30
 28 <160> NUMBER OF SEQ ID NOS: 27
 30 <170> SOFTWARE: PatentIn version 2.1
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 33 <211> LENGTH: 1263
 34 <212> TYPE: DNA
 35 <213> ORGANISM: Homo sapiens
 37 <400> SEQUENCE: 1

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40 ctagecgtgg tactcctggg ctgggtctcc tegtcttctc ccacctctc ggcatacctcc	120
42 ttctcctcct cggcgccgtt cctggcttcc gccgtgtccg ccagcccc gctgccggac	180
44 cagtgcctcg cgtgtgcca gtgctccgag gcagcgcgca cagtcaagtg cgtaaacgcg	240
46 aatctgaccg aggtgcccac ggacctgccc gcctacgtgc gcaacctctt ccttaccggc	300
48 aaccagctgg ccgtgctccc tgccggcgcc ttccgccgcc ggccgccgct ggccggagctg	360
50 gccgcgctca aectcagcgg cagccgcctg gacgaggtgc gcgcgggcgc cttcgagcat	420
52 ctgcccagcc tgcgccagct cgacctcagc cacaaccac tgccgcacct cagtcccttc	480
54 gctttctcgg gcagcaatgc cagcgtctcg gccccagtc cccttgtgga actgatcctg	540
56 aaccacatcg tgccccctga agatgagcgg cagaaccgga gcttcgaggg catggtggtg	600
58 gcggccctgc tggcggggcg tgactgcag gggctccgcc gcttgagct ggccagcaac	660
60 cacttccttt acctgccgcy ggatgtgctg gcccaactgc ccagcctcag gcacctggac	720
62 ttaagtaata attcgctggt gagcctgacc tacgtgtcct tccgcaacct gacacatcta	780
64 gaaagcctcc acctggagga caatgccctc aaggtccttc acaatggcac cctggctgag	840
66 ttgcaaggtc taccacacat tagggttttc ctggacaaca atccctgggt ctgcgactgc	900
68 cacatggcag acatggtgac ctggctcaag gaaacagagg tagtgaggg caaagaccgg	960
70 ctacactgtg catatccgga aaaaatgagg aatcggttcc tcttggaact caacagtgt	1020
72 gacctggact gtgaccgat tcttccccca tccctgcaa cctcttatgt cttcctgggt	1080
74 attgttttag ccctgatagg cgctattttc ctcttggtt tgtatttgaa ccgcaagggg	1140
76 ataaaaaagt ggatgcataa catcagagat gcctgcagg atcacatgga aggtatcat	1200
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80 tga	1263

83 <210> SEQ ID NO: 2
 84 <211> LENGTH: 1281

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86 <213> ORGANISM: Mus musculus
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91 ctggcgctag tgctgctggg ttgggtctcc gcgtcgcccc ccagctcttc ggtaccctcg      120
93 tcttccacct ccccggcaga ctctctggcc tcggggtctg cgcagcctcc gccagccgag      180
95 agatgccccg cggcgctgca gtgctccgag gcggcgcgca cggttaagtg cgtgaaccgc      240
97 aacctgctgg aggtgccggc ggatctaccg ccttacgtgc gcaacctttt ccttaccggc      300
99 aaccagatga ccgtgctccc cgcgggcgcc ttcgcccgcc agccgcccgt cgccgacctg      360
101 gaggcgctca acctcagcgg caaccacctg aaggagggtg gtgcagggtc ctctcagcat      420
103 ctgccggggtc tgcgcgggct tgacctcagc cacaaccctc tcaccaacct cagcgccttc      480
105 gtctttgctg gcagcaacgc cagcgtctcg gccccagacc ccttgaggga gctgatcctg      540
107 aatcacatcg tgccccctga ggatcagagg cagaacggga gcttcgaggg tatggtggcc      600
109 ttcaaggca tgggtgcagc agctctgcgc tcaggccttg cactccgagg tcttacacgc      660
111 ctggagctag ccagcaatca ctttcttttc ctgcctcggg acttactagc ccaactgccg      720
113 agtctcagat acctggacct caggaacaat tccttggtga gcctgacctc cgcattcctc      780
115 cgcaacctga cacacctga aagcctccac ttggaggaca atgccctcaa ggtccttcac      840
117 aactccacct tggctgagtg gcaaggcctg gctcatgtca aggtgttcct ggacaacaat      900
119 ccctggggtt gcgactgcta catggctgac atgggtggctt ggcttaaaga gacagagggtg      960
121 gtgccagata aagccaggct tacctgcgca ttcccggaga agatgaggaa tcgtggcctc      1020
123 ttagacctca acagctctga cctggactgt gacgctgtcc ttccccaatc cctgcagact      1080
125 tcctatgtct tcctaggtat tgttttagct ctgataggcg ctattttcct cctcgttttg      1140
127 tatttgaacc gtaaaggcat aaaaaagtgg atgcataaca tcagagatgc ctgcagggat      1200
129 cacatggaag ggtatcatta cagatacga atcaatgcgg accccagatt aacaaatctt      1260
131 agttccaact cggtatgtctg a
133                               1281
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142 <223> OTHER INFORMATION: a, c, g or t
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150 <221> NAME/KEY: modified_base /
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161 <222> LOCATION: (353)
162 <223> OTHER INFORMATION: a, c, g or t

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W--> 213 vddrrnrsvm vaaactccga gcgggcccgcg cgcttcgcgg gctgcagtgc ctggagctgg 120
W--> 215 ccgggcaaccg cttrcragrar gcagnrctct acttgccctcg cgacgtccctg gccagctac 180
217 ccggcctccg gcacctggac ctgcgcyrdiv agrhdraaca attccttggt gacccacacc 240
W--> 219 tacgtgtcct tccgcaacct gacgcacttg gagagcnnsv styvsrnths ctccacctgg 300
W--> 221 aggacaacgc cctcaaggtc cttcacaacg ccacctggc ggagctgcag hdnakvhnat 360
223 aagcctgccc caagtcgcggg tcttcctgga caacaacccc tgggtctgcg attgtcacat 420
W--> 225 gshvrvdnnw vcdchmgcag acatggtggc ctggctcaag gagacagagg tgggtgcccgg 480
227 caaagccggg ctcaccadmv awktvvgkag ttgtgcattc ccggagaaaa tgaggaatcg 540
W--> 229 ggccctcttg gaactcaaca gctccacact gcakmrnran sshgactgtg accctatcct 600
231 ccctccatcc ctgcagactt cttatgtctt cctaggtatt gtcdddstsy vgvttagccc 660
W--> 233 tgataggcgc catcttccta ctggttttgt atttgaaccg caaggggata aagagavynr 720

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235 kgkaagtgga tgcataacat cagagatgcc tgcagggatc acatggaagg gtatcactac 780
 237 agakwmhnrđ acrdhmggyhy rtacgaaatc aatgcagacc ccagggttaac aaacctcagt 840
 239 tccaattcgg atgtctgaga aynadrtnss nsdvacagtc ggggacagac caaggacaac 900
 241 t 901
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 245 <211> LENGTH: 238
 246 <212> TYPE: PRT
 247 <213> ORGANISM: Canis sp.
 249 <400> SEQUENCE: 4
 250 Ile Val Pro Pro Asp Asp Arg Arg Gln Asn Arg Ser Phe Glu Val Met
 251 1 5 10 15
 253 Val Ala Ala Ala Leu Arg Ala Gly Arg Ala Leu Arg Gly Leu Gln Cys
 254 20 25 30
 256 Leu Glu Leu Ala Gly Asn Arg Phe Leu Tyr Leu Pro Arg Asp Val Leu
 257 35 40 45
 259 Ala Gln Leu Pro Gly Leu Arg His Leu Asp Leu Arg Asn Asn Ser Leu
 260 50 55 60
 262 Val Ser Leu Thr Tyr Val Ser Phe Arg Asn Leu Thr His Leu Glu Ser
 263 65 70 75 80
 265 Leu His Leu Glu Asp Asn Ala Leu Lys Val Leu His Asn Ala Thr Leu
 266 85 90 95
 268 Ala Glu Leu Gln Ser Leu Pro His Val Arg Val Phe Leu Asp Asn Asn
 269 100 105 110
 271 Pro Trp Val Cys Asp Cys His Met Ala Asp Met Val Ala Trp Leu Lys
 272 115 120 125
 274 Glu Thr Glu Val Val Pro Gly Lys Ala Gly Leu Thr Cys Ala Phe Pro
 275 130 135 140
 277 Glu Lys Met Arg Asn Arg Ala Leu Leu Glu Leu Asn Ser Ser His Leu
 278 145 150 155 160
 280 Asp Cys Asp Pro Ile Leu Pro Pro Ser Leu Gln Thr Ser Tyr Val Phe
 281 165 170 175
 283 Leu Gly Ile Val Leu Ala Leu Ile Gly Ala Ile Phe Leu Leu Val Leu
 284 180 185 190
 286 Tyr Leu Asn Arg Lys Gly Ile Lys Lys Trp Met His Asn Ile Arg Asp
 287 195 200 205
 289 Ala Cys Arg Asp His Met Glu Gly Tyr His Tyr Arg Tyr Glu Ile Asn
 290 210 215 220
 292 Ala Asp Pro Arg Leu Thr Asn Leu Ser Ser Asn Ser Asp Val
 293 225 230 235
 296 <210> SEQ ID NO: 5
 297 <211> LENGTH: 9
 298 <212> TYPE: PRT
 299 <213> ORGANISM: Artificial Sequence
 301 <220> FEATURE:
 302 <223> OTHER INFORMATION: Description of Artificial Sequence: 5T4 9 Mer
 304 <400> SEQUENCE: 5
 305 Phe Leu Thr Gly Asn Gln Leu Ala Val
 306 1 5
 309 <210> SEQ ID NO: 6

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Input Set : A:\78883120.app

Output Set: N:\CRF3\07172001\I533798.raw

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311 <212> TYPE: PRT
312 <213> ORGANISM: Artificial Sequence
314 <220> FEATURE:
315 <223> OTHER INFORMATION: Description of Artificial Sequence: 5T4 9 Mer
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319 1 5
322 <210> SEQ ID NO: 7
323 <211> LENGTH: 9
324 <212> TYPE: PRT
325 <213> ORGANISM: Artificial Sequence
327 <220> FEATURE:
328 <223> OTHER INFORMATION: Description of Artificial Sequence: 5T4 9 Mer
330 <400> SEQUENCE: 7
331 Ser Leu Gln Thr Ser Tyr Val Phe Leu
332 1 5
335 <210> SEQ ID NO: 8
336 <211> LENGTH: 9
337 <212> TYPE: PRT
338 <213> ORGANISM: Artificial Sequence
340 <220> FEATURE:
341 <223> OTHER INFORMATION: Description of Artificial Sequence: 5T4 9 Mer
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344 Ala Ile Phe Leu Leu Val Leu Tyr Leu
345 1 5
348 <210> SEQ ID NO: 9
349 <211> LENGTH: 9
350 <212> TYPE: PRT
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366 <220> FEATURE:
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369 <400> SEQUENCE: 10
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371 1 5
374 <210> SEQ ID NO: 11
375 <211> LENGTH: 9
376 <212> TYPE: PRT
377 <213> ORGANISM: Artificial Sequence
379 <220> FEATURE:

VERIFICATION SUMMARY

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Input Set : A:\78883120.app

Output Set: N:\CRF3\07172001\I533798.raw

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L:233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:237 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3